

Patent Abstracts of Japan

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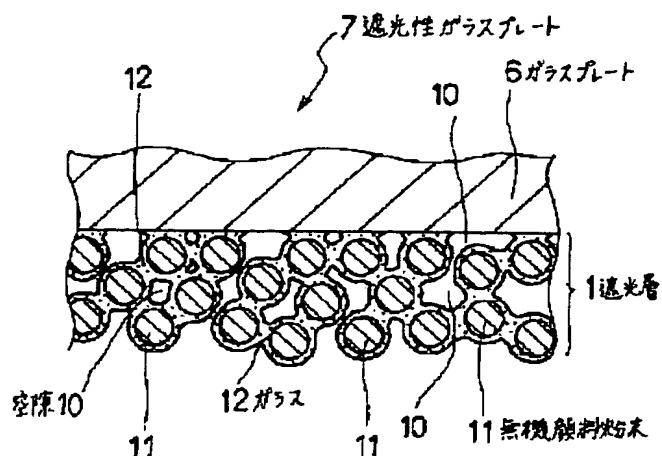
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APPLICANT : NARUMI CHINA CORP;

INVENTOR : KAMEYAMA TAKUJI;

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TITLE : SHADING GLASS PLATE



ABSTRACT : PROBLEM TO BE SOLVED: To obtain a shading glass plate excellent in mechanical strength and thermal shock resistance and having a broad selectivity concerning an applicable color.

SOLUTION: This glass plate is constituted as follows: a porous shading layer 31 composed of 40 to 90% wt.% inorganic pigment powder and 10 to 60 wt.% glass flux is formed on the surface of a glass plate 6 consisting of transparent and low-expansion crystallized glass; and there are joints between adjoining inorganic pigment particles 11 and between the inorganic pigment particle 11 and the glass plate 6 by a glass material resulted from fusing and solidifying the glass flux 12. Preferably, any pattern consisting of a shading layer is formed on the surface of the glass plate 6 and the glass flux contains $\text{Li}_2\text{O}-\text{Al}_2\text{O}_3-\text{SiO}_2-\text{PbO}-\text{B}_2\text{O}_3$.

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